

## ABSTRACT

The present invention provides a technique of readily manufacturing a projector. The projector comprises: an illumination optical system for emitting light; an electro-optical device for modulating the light emitted from the illumination optical system in response to image information; a projection optical system for projecting a modulated light generated by the electro-optical device; and an optical component having a rock crystal member composed of rock crystal, the optical component being located in an optical path including the illumination optical system and the projection optical system. For example, the optical component provided on a light incident side or a light exiting side of the electro-optical device has a rock crystal substrate 308G as the rock crystal member and a polarizing plate 302Go arranged on the substrate. It is preferable that a Z axis of the rock crystal substrate 308G is set to be substantially parallel to or substantially perpendicular to the surface of the substrate.